

Fig. 1a

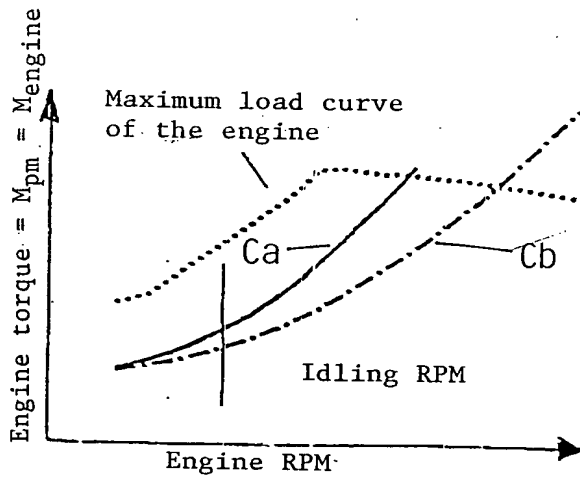
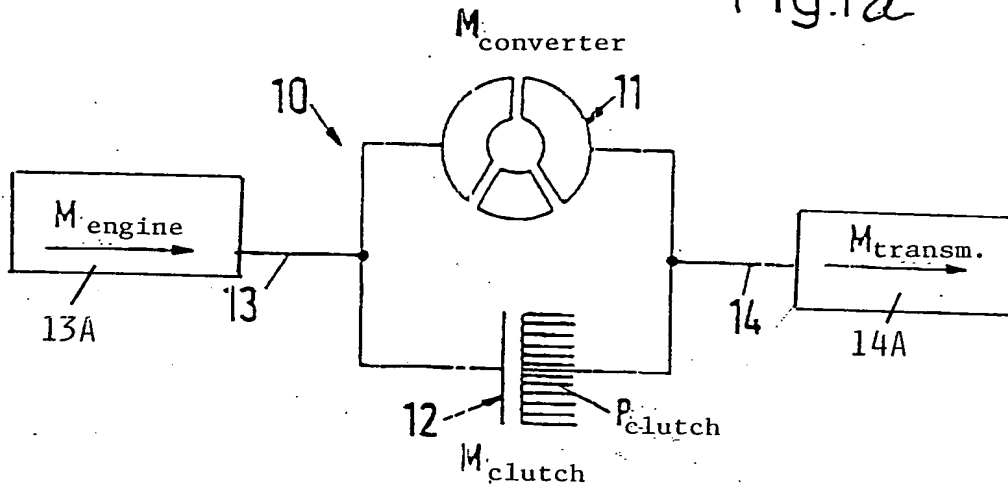


Fig. 1b

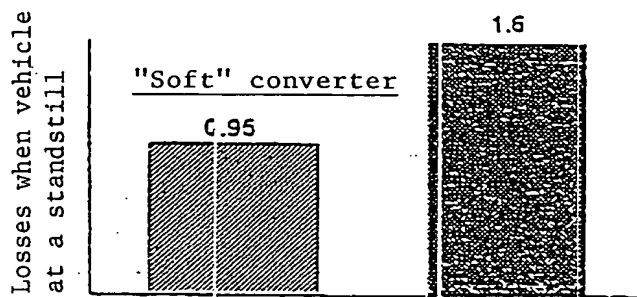


Fig. 1c

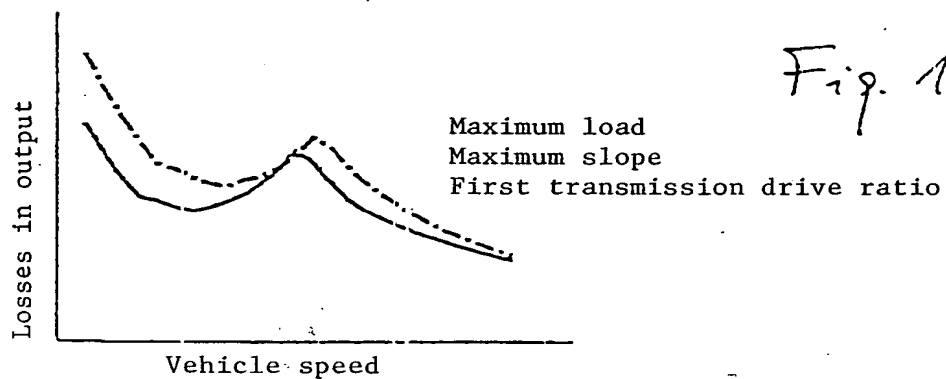


Fig. 1d

--- "Soft" converter  
— Standard converter

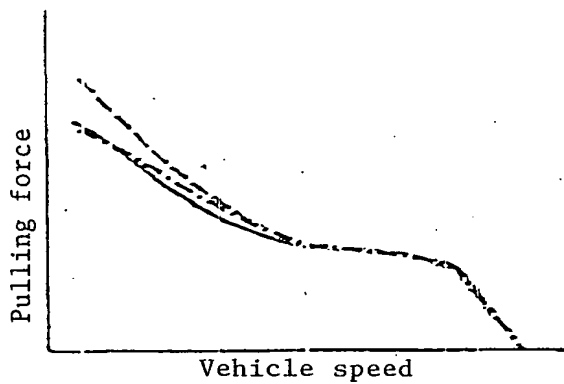
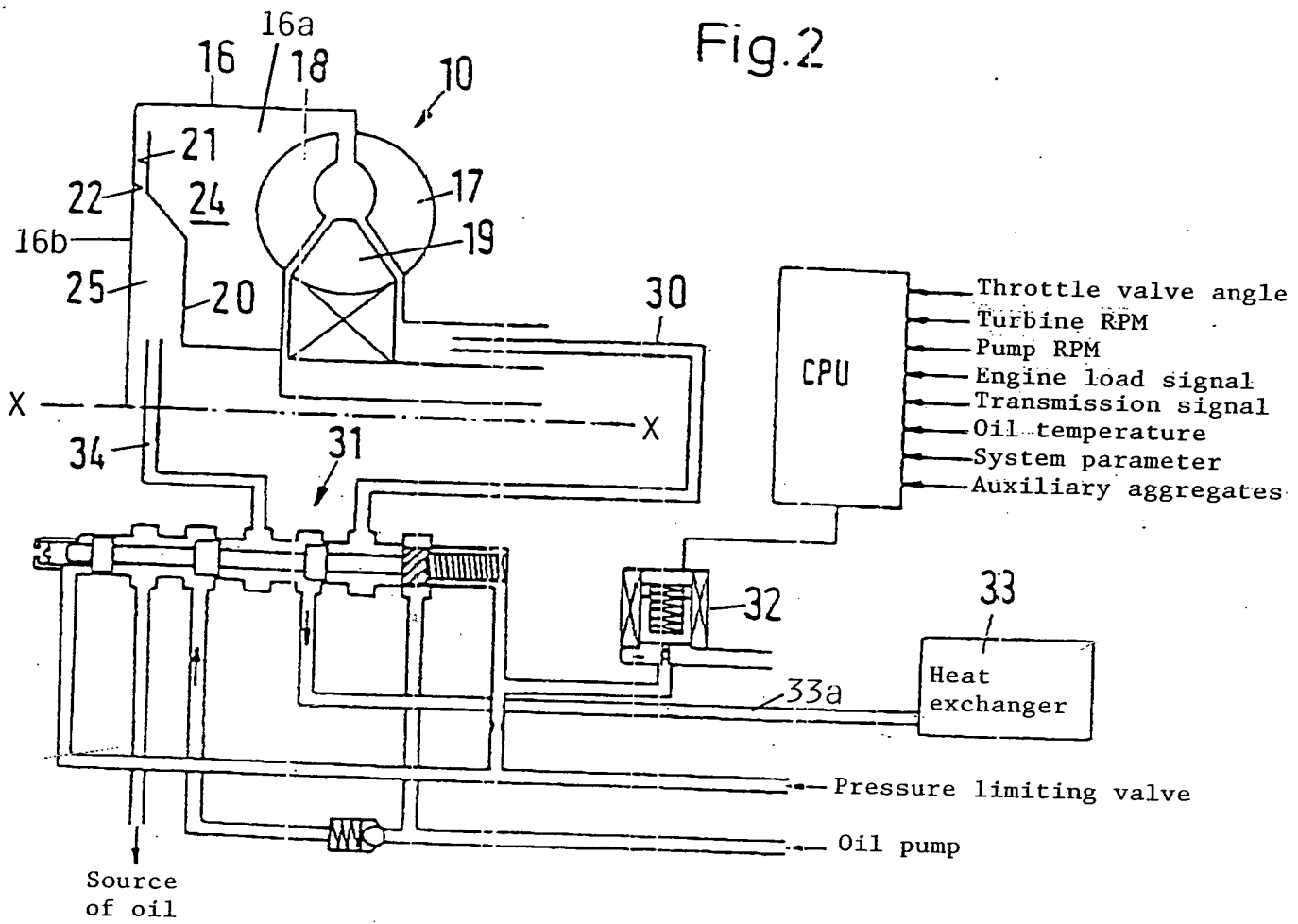


Fig. 1e

— Standard converter  
- - - "Soft" converter  
- - - "Soft" converter with higher conversion

Fig.2



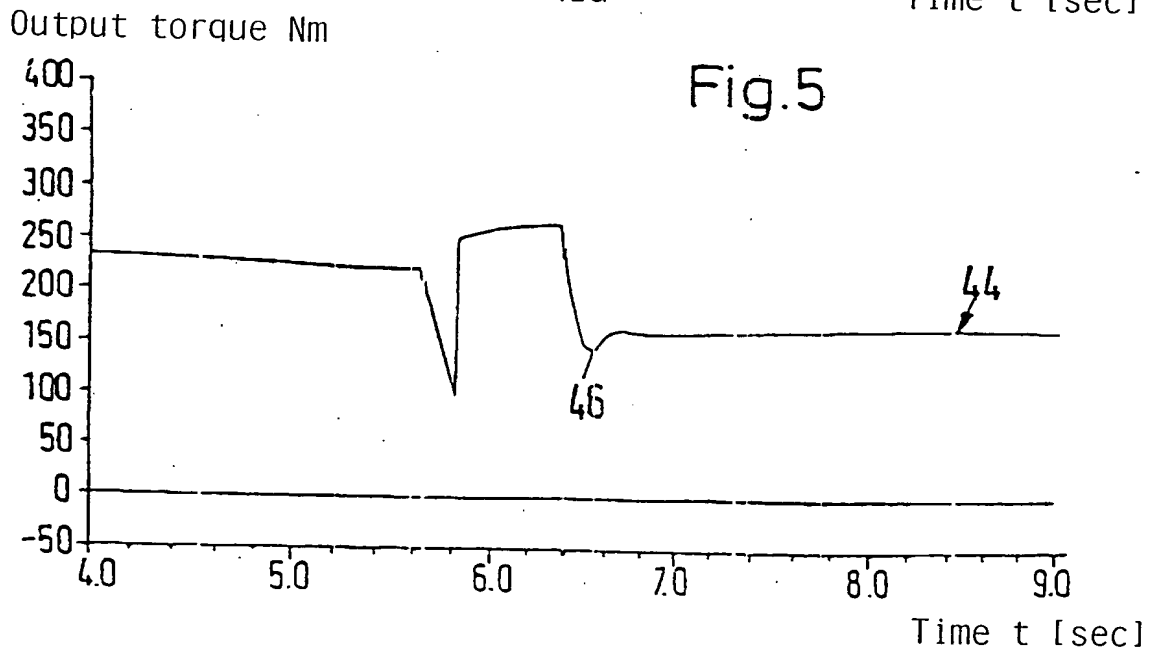
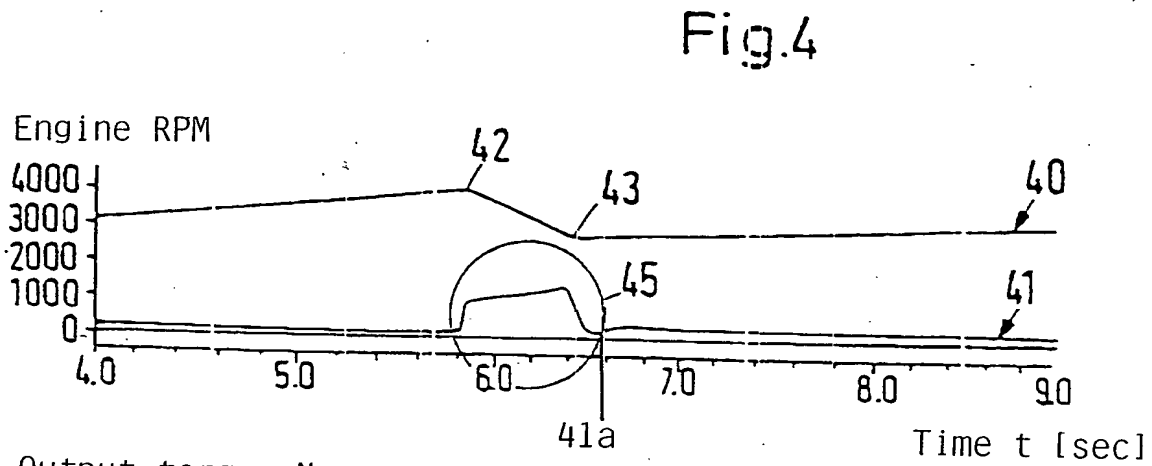
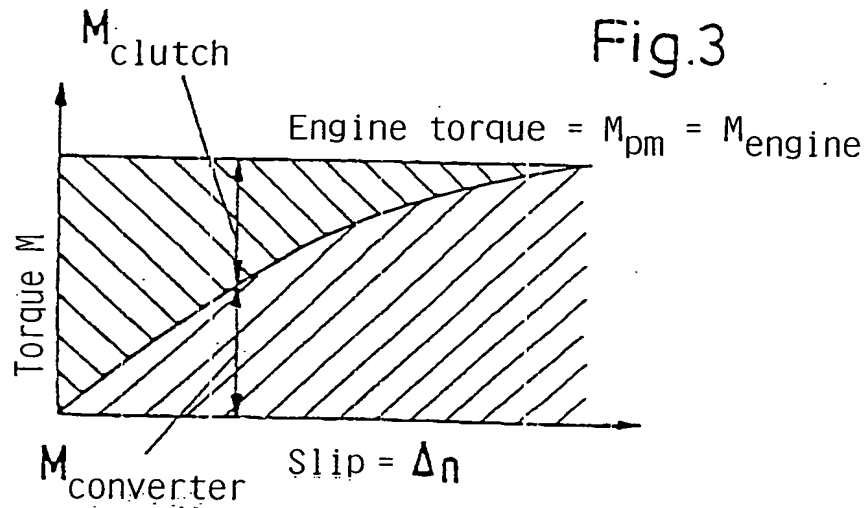


Fig.6

PRIOR ART

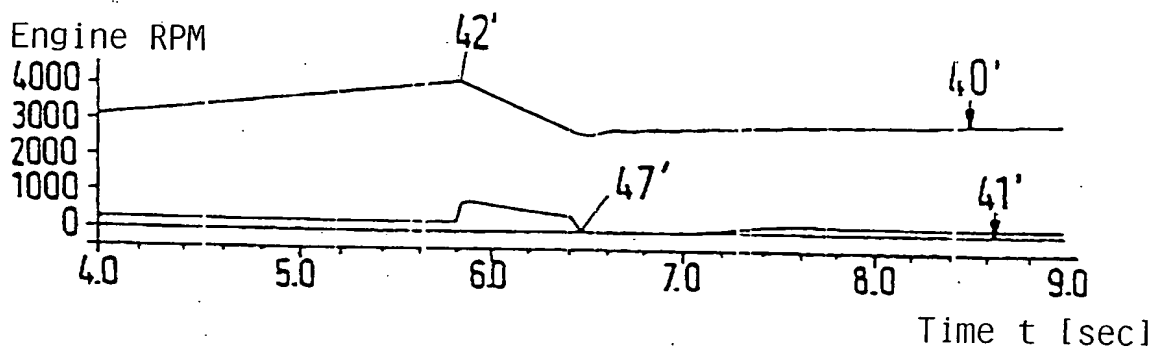
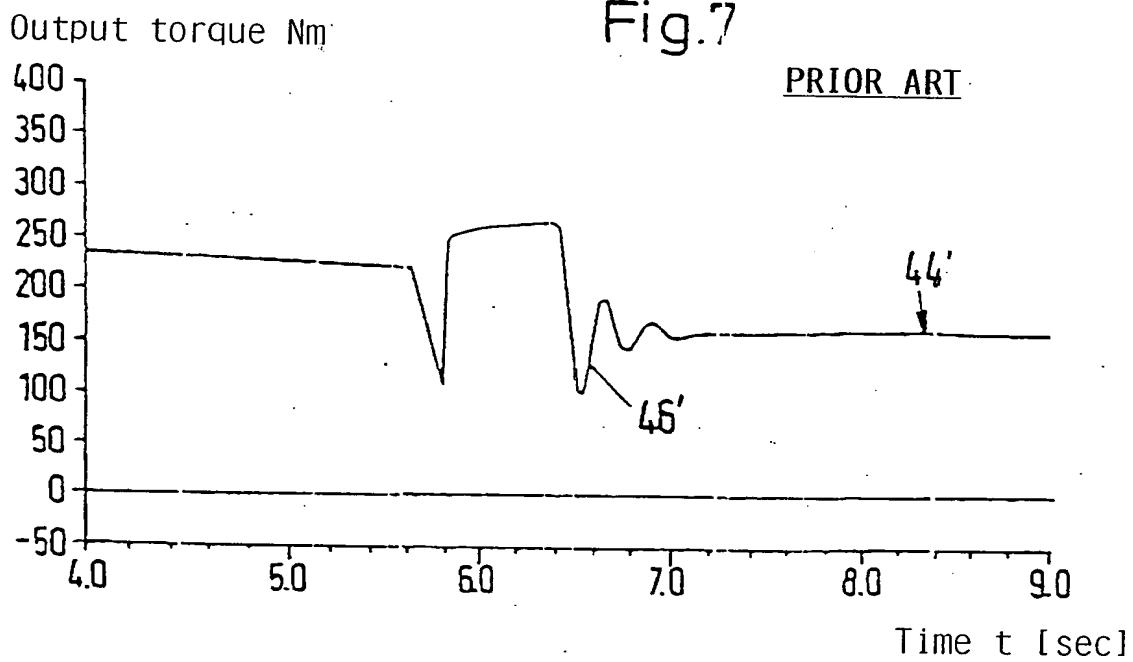


Fig.7

PRIOR ART



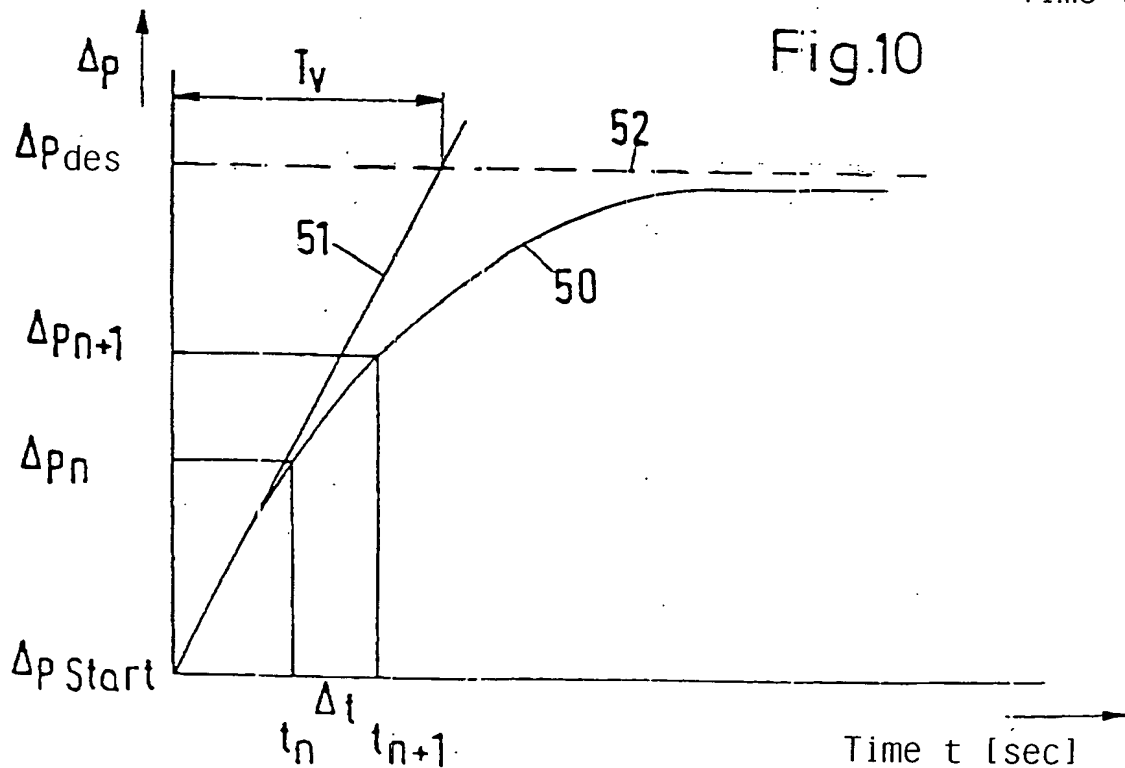
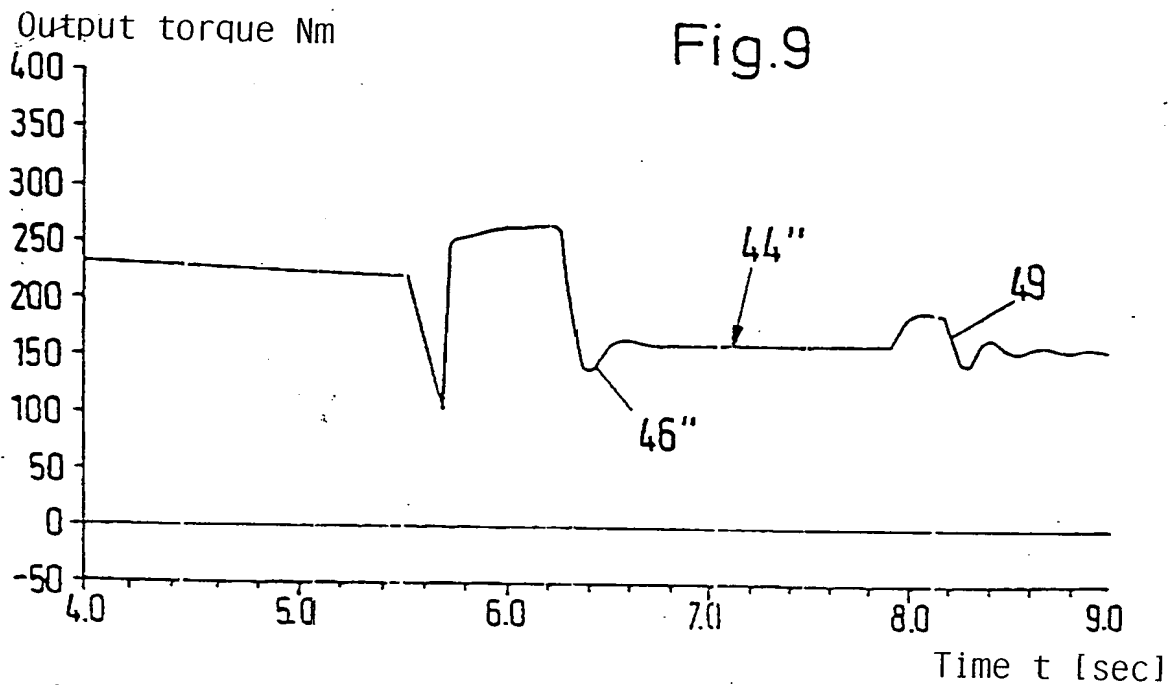
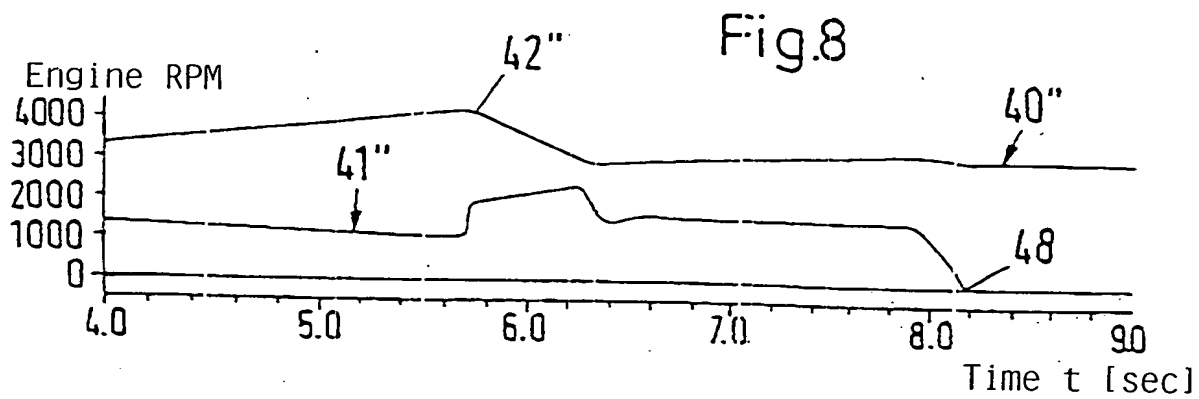


Fig. 11a

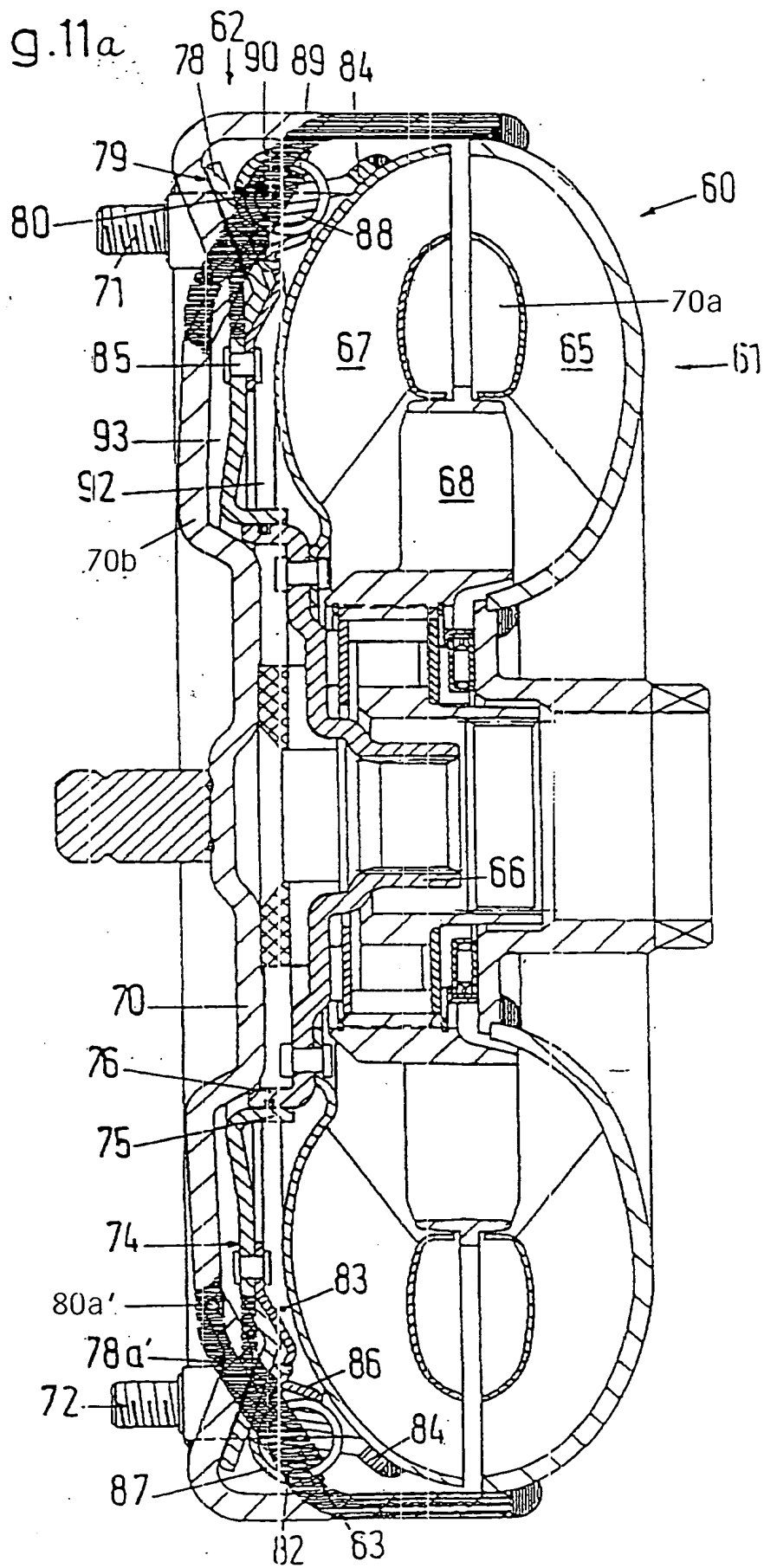


Fig. 11b

PRIOR ART

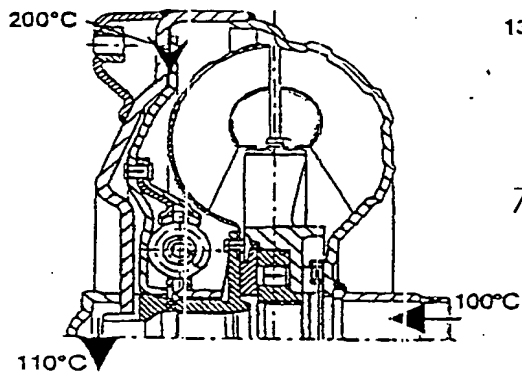


Fig. 11c

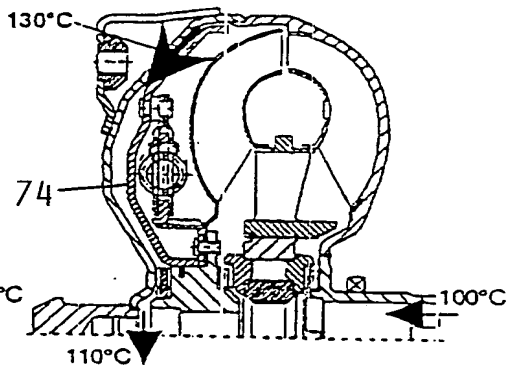


Fig. 11d

PRIOR ART

Maximum pressure  
per unit area:  
100%

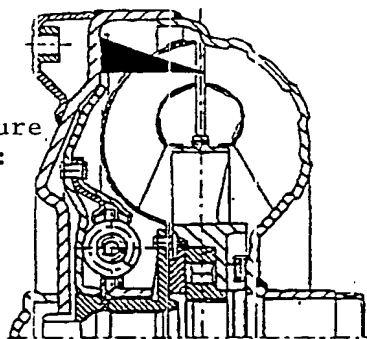


Fig. 11e

Maximum pressure  
per unit area:  
25%

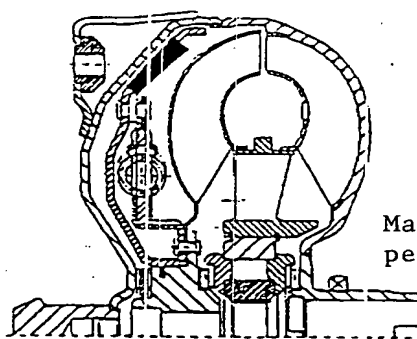




Fig.12

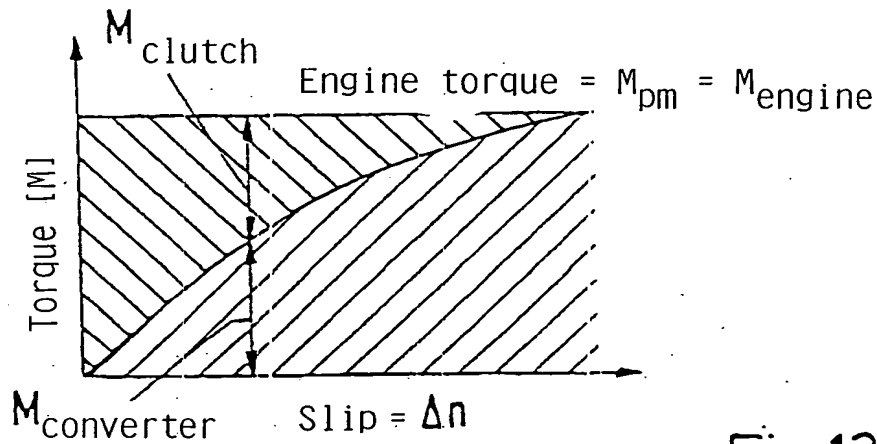


Fig.13

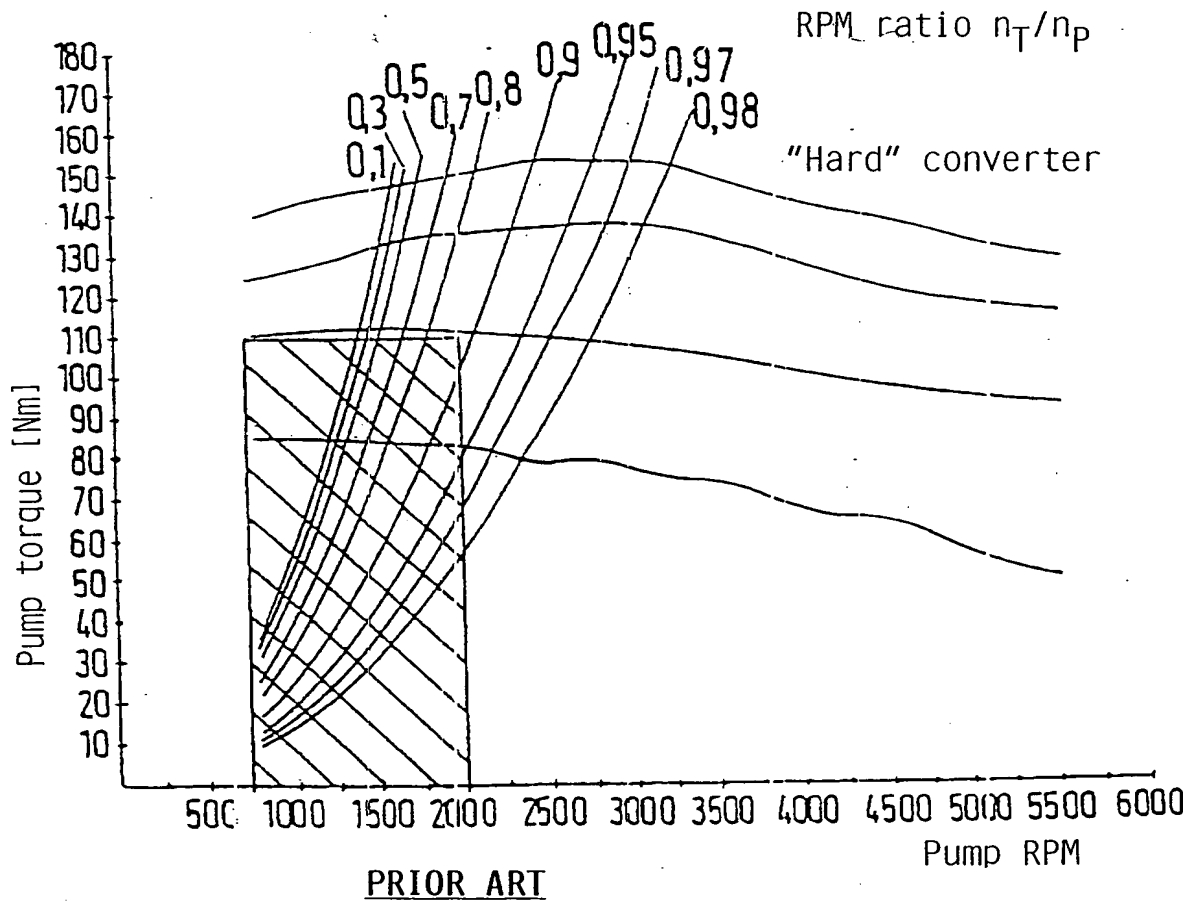


Fig.14

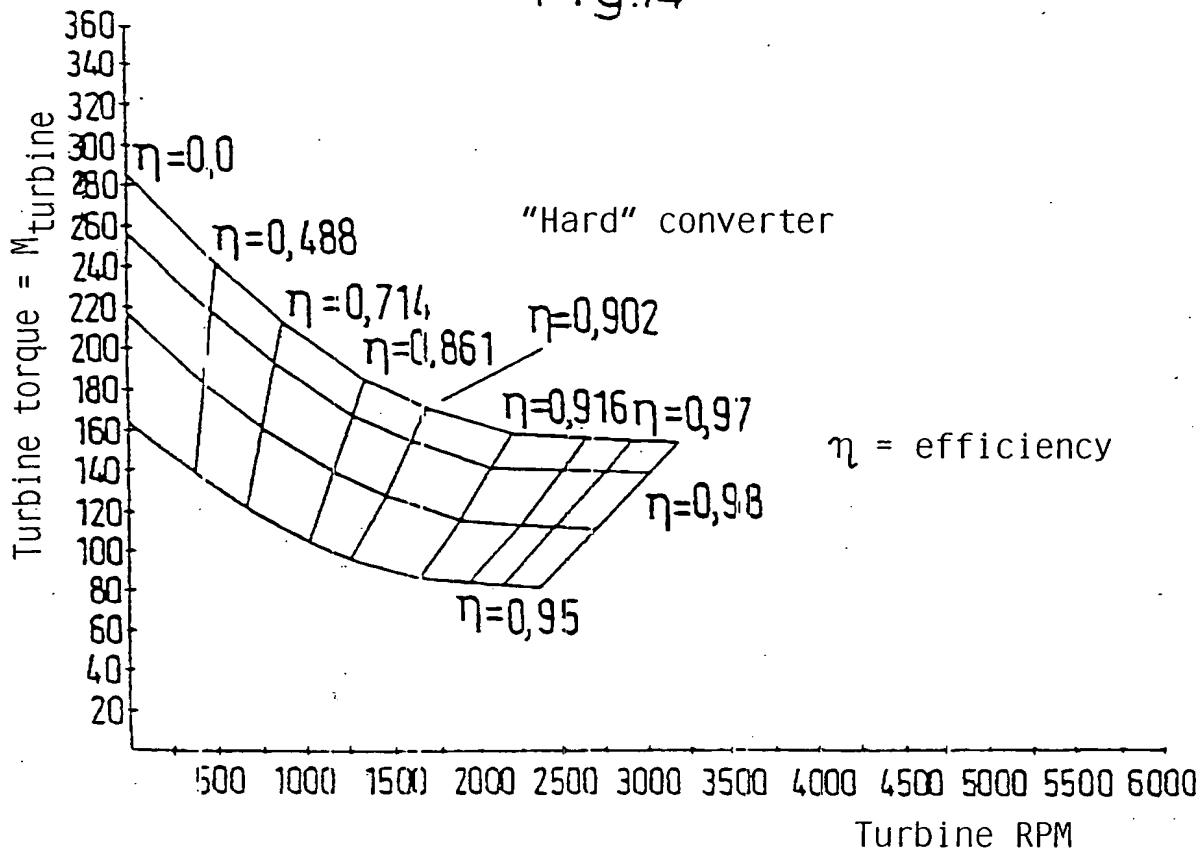


Fig.15

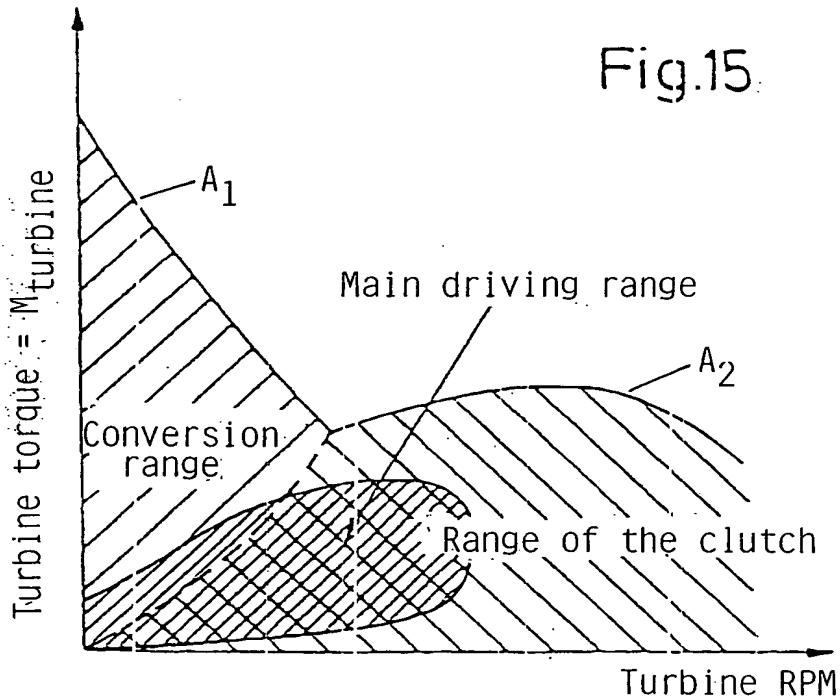


Fig.16

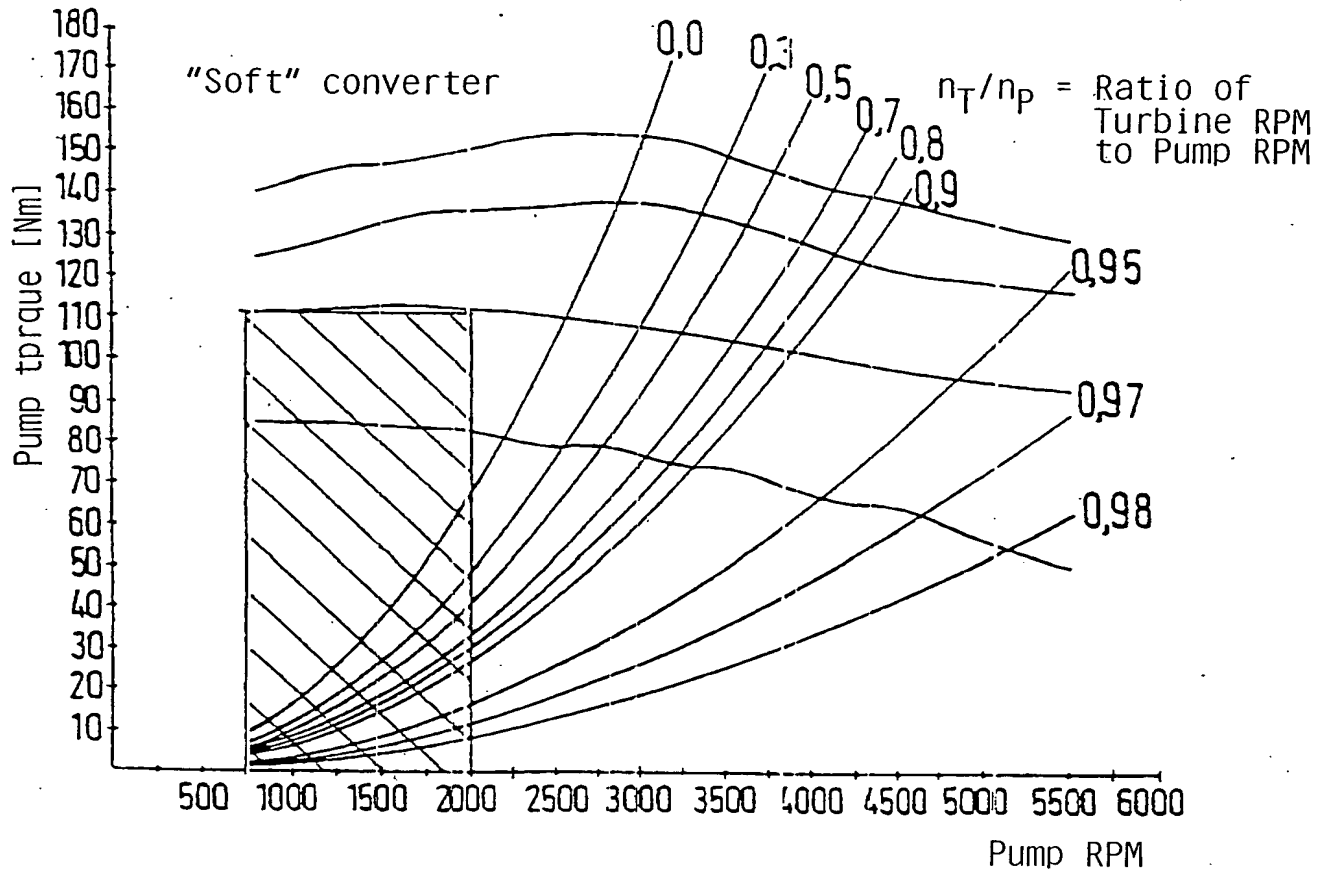


Fig.17

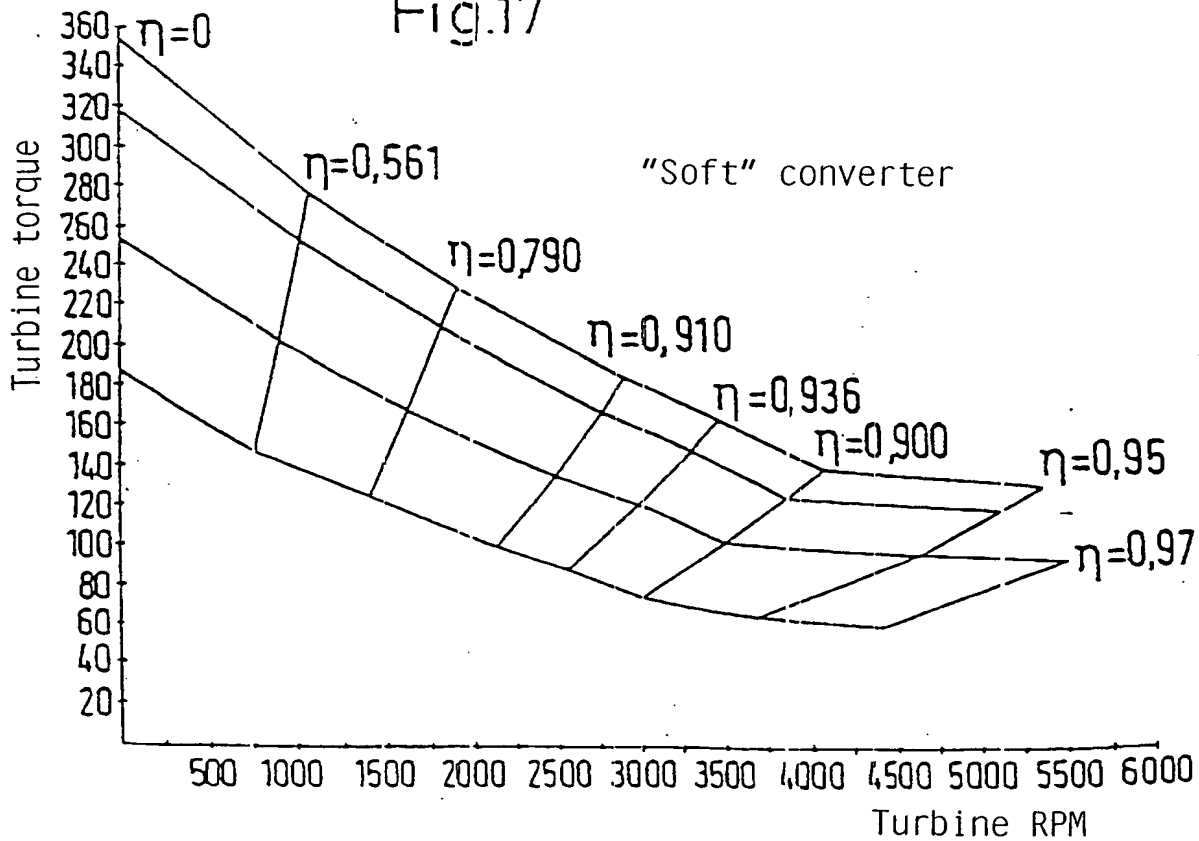


Fig.18

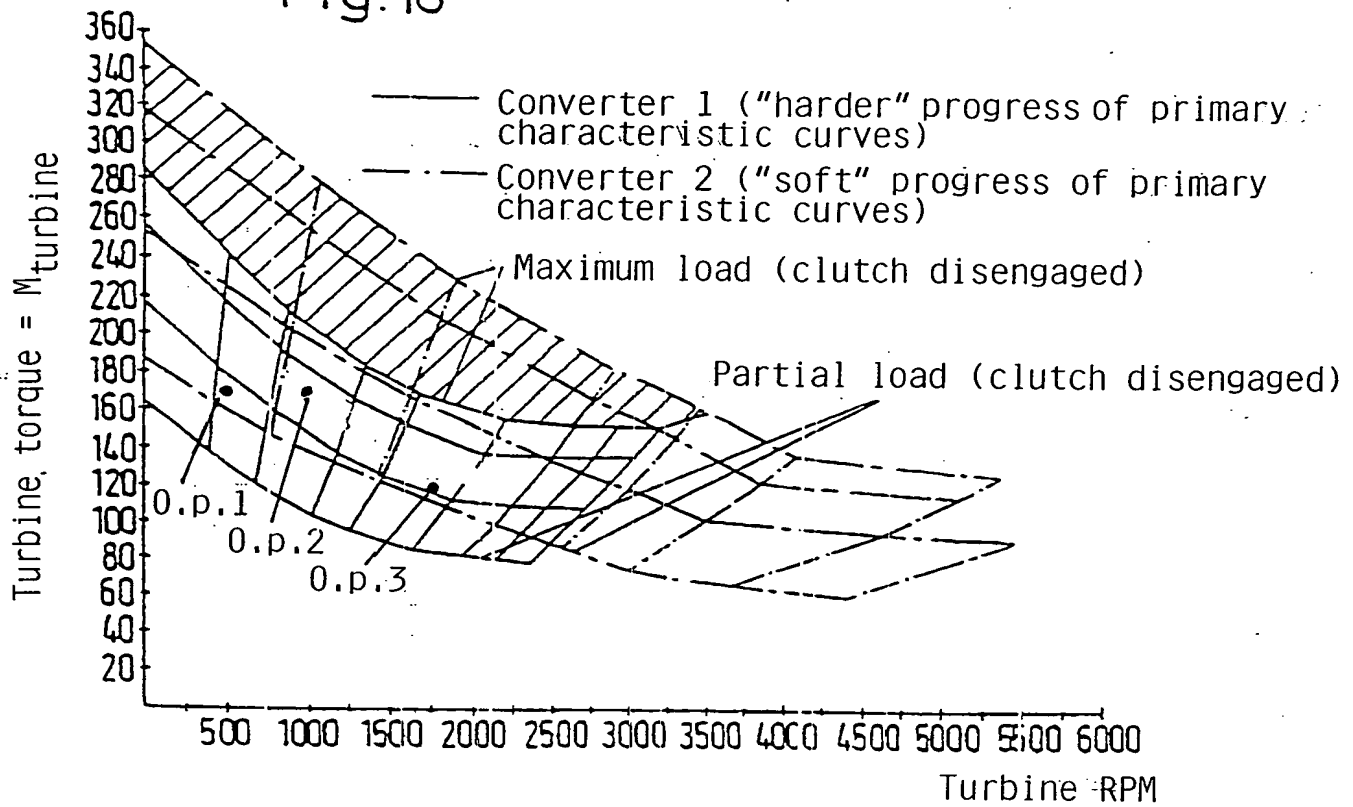
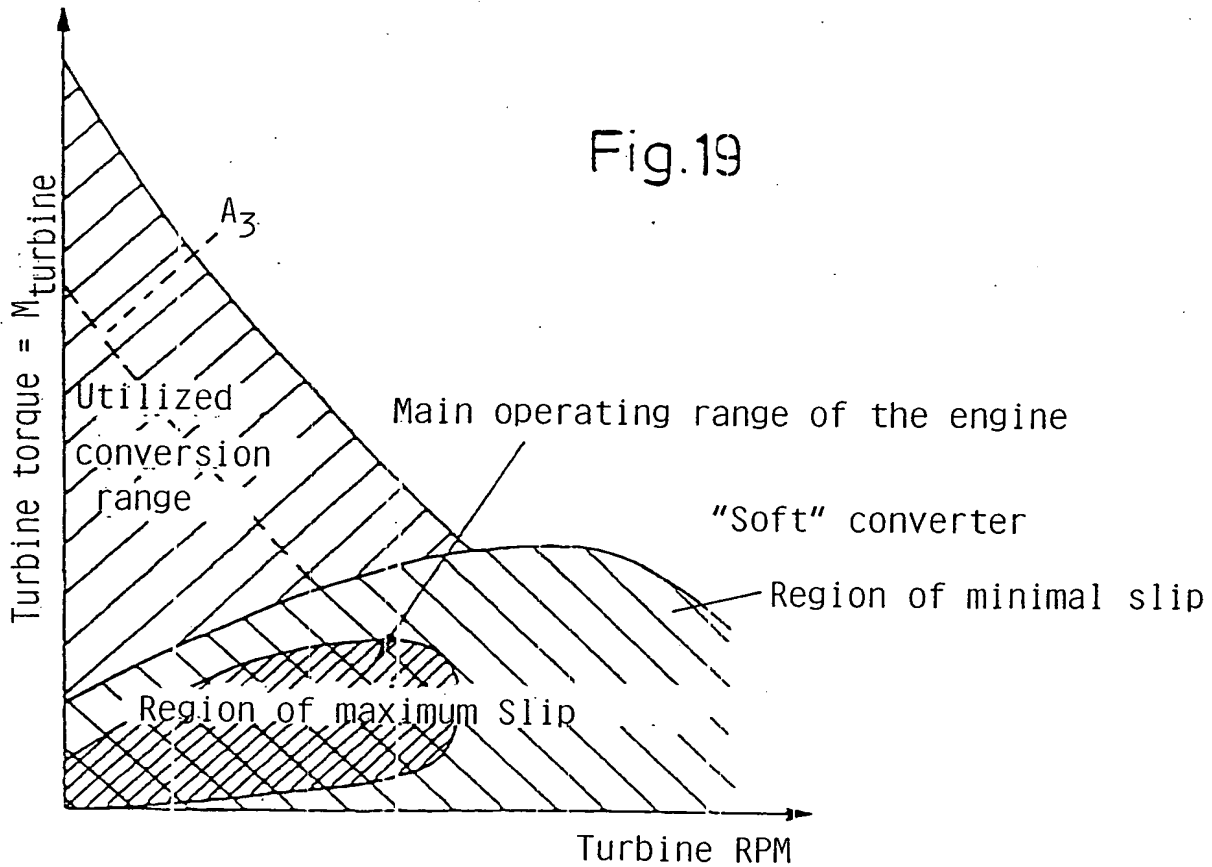


Fig.19



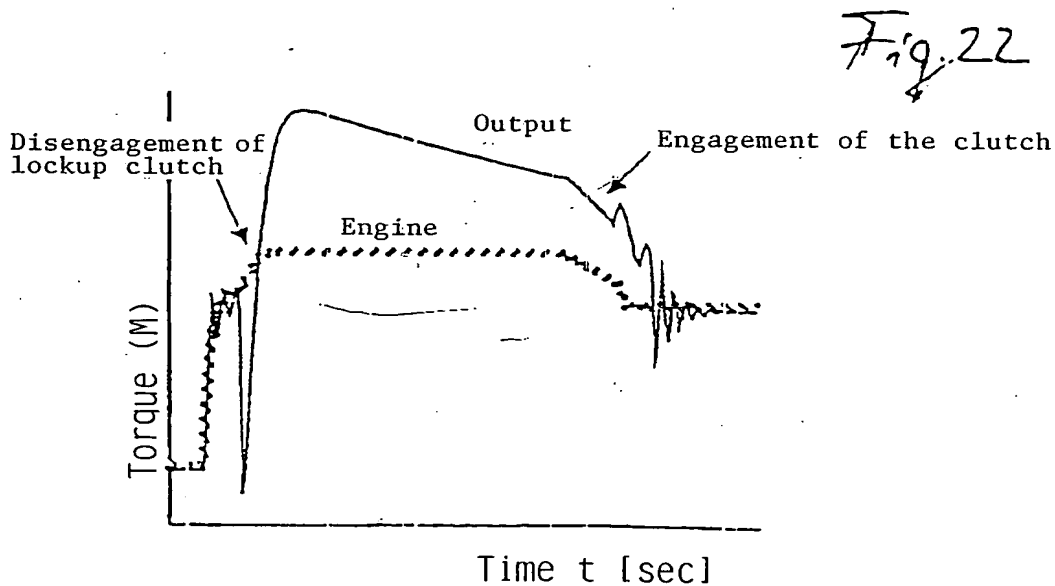
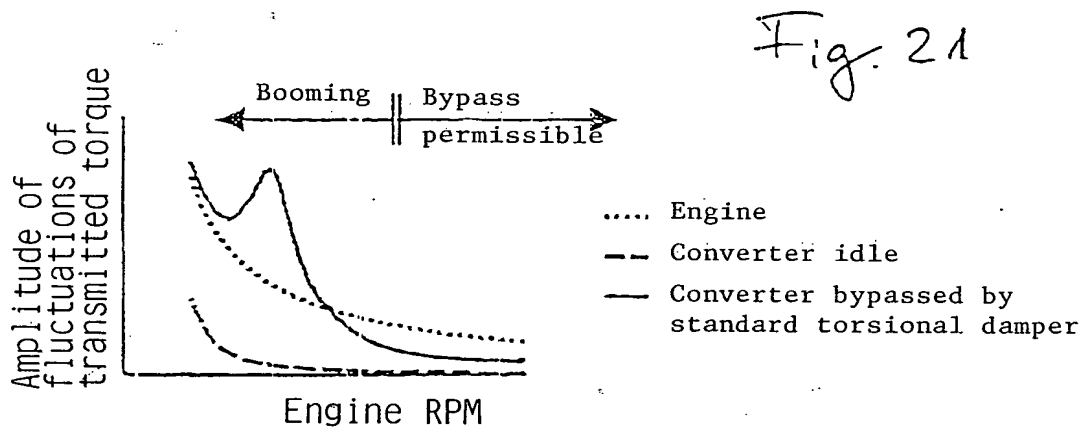
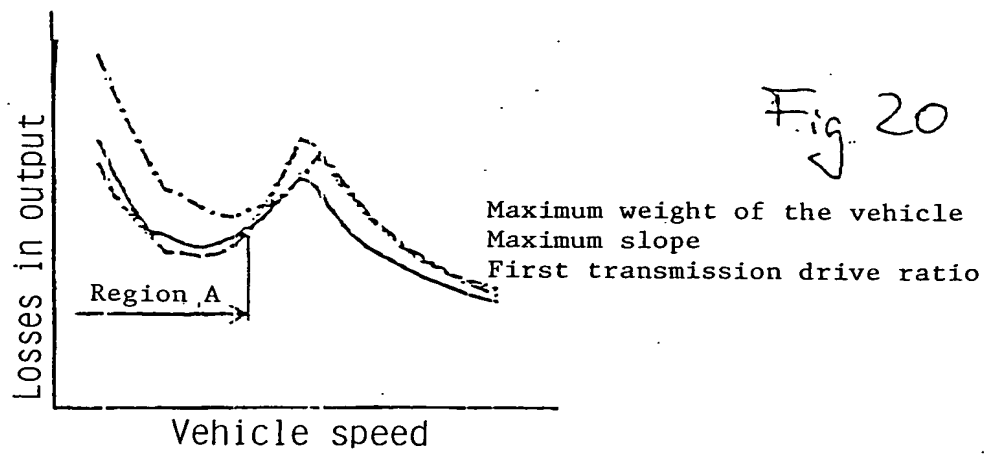


Fig. 23

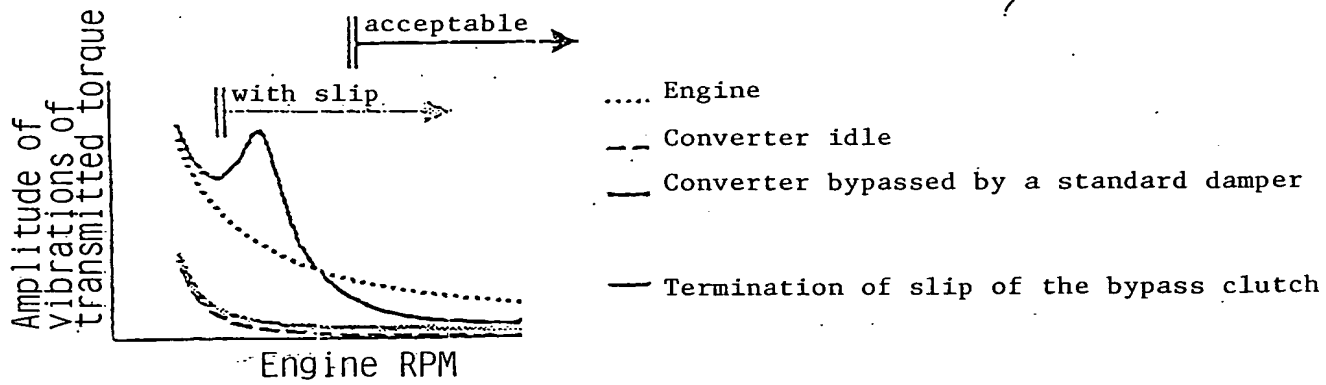


Fig. 24

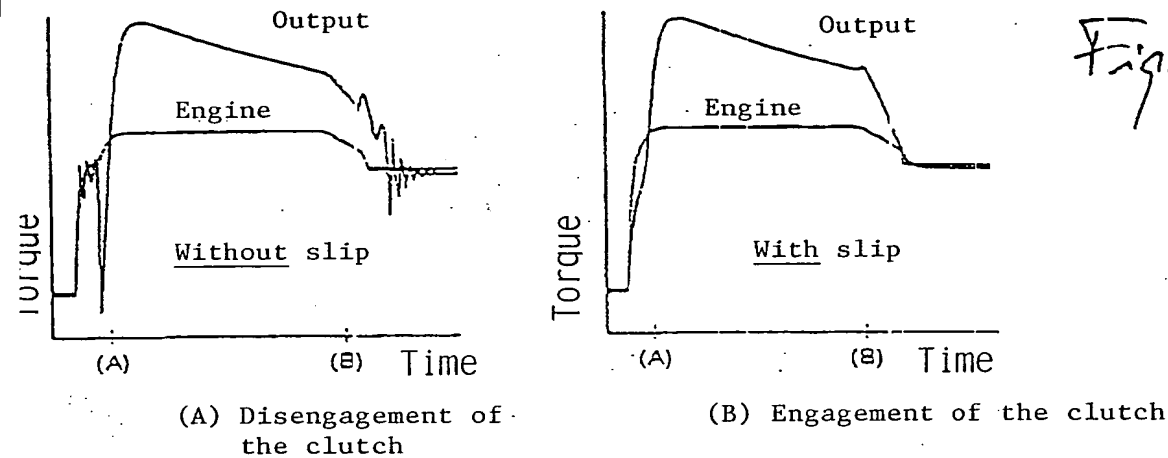


Fig. 25

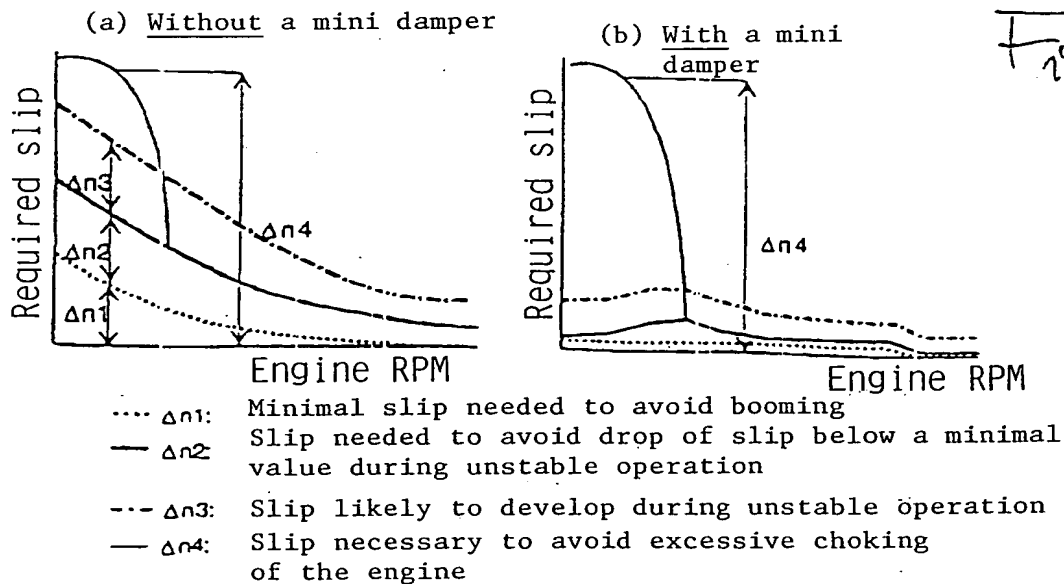


Fig. 26

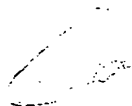
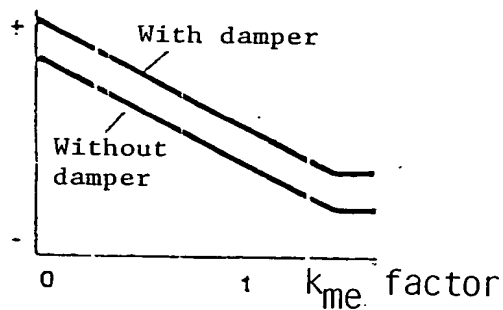
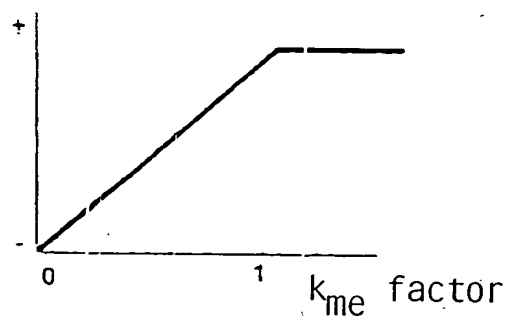


Fig. 27

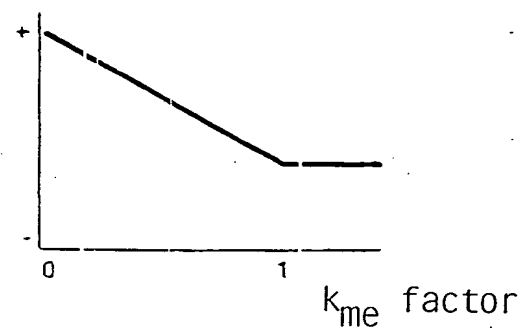
1. Acoustics



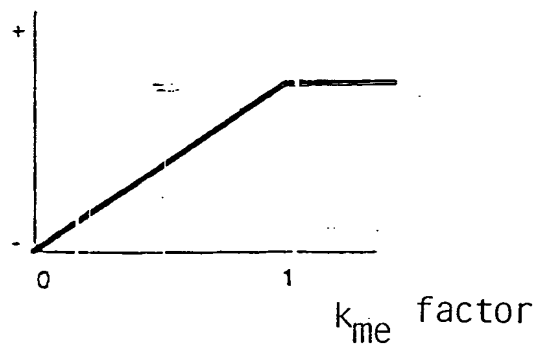
2. Thermal stressing



3. Pulling force



4. Consumption



5. Reaction to changes of load

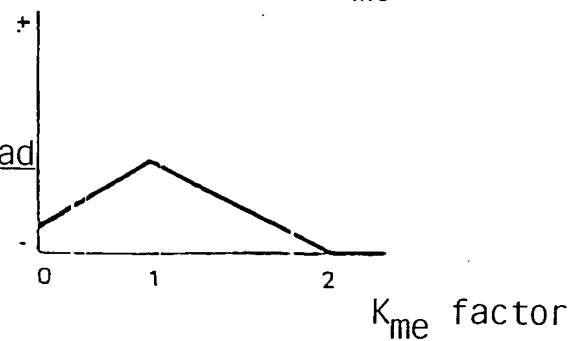




Fig. 28

Engine RPM, throttle, consumption, injection time

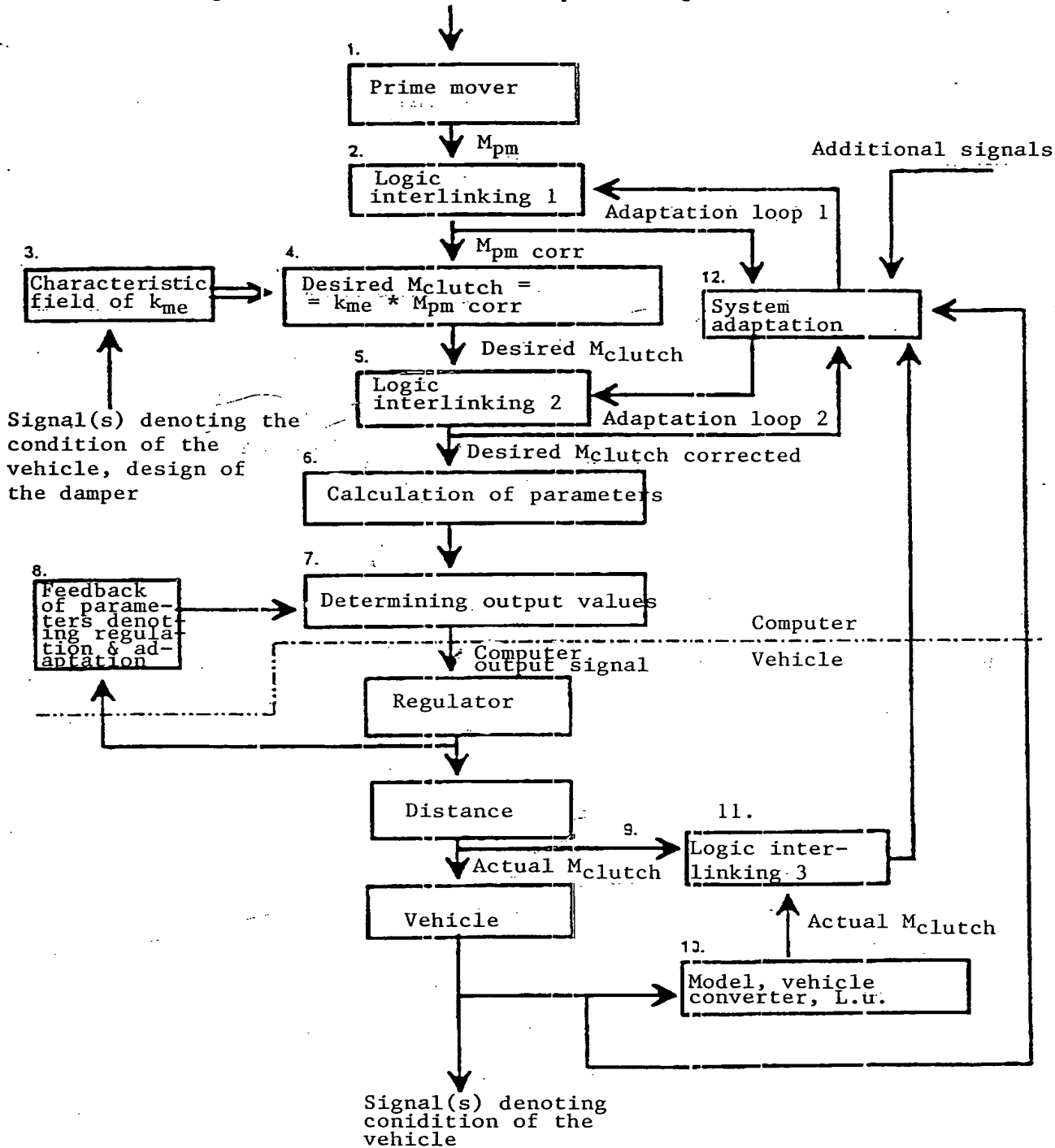
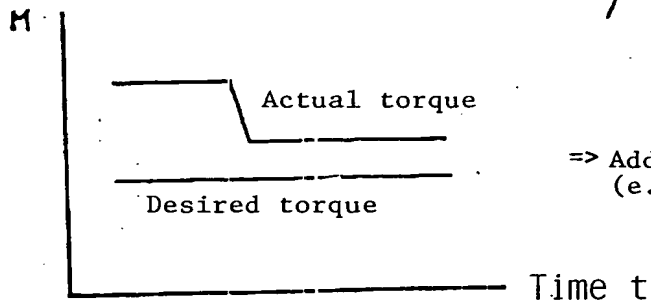


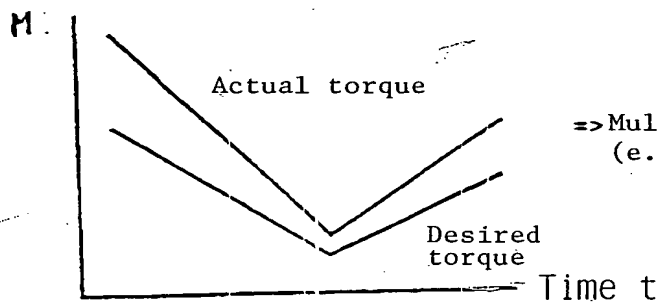
Fig. 29

Example 1:



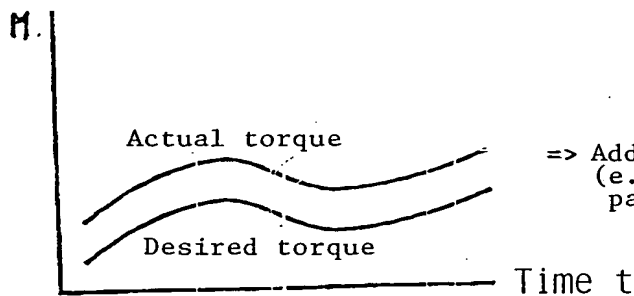
=> Additive share engine  
(e.g., auxiliary aggregate(s))

Example 2:



=> Multiplicative share clutch  
(e.g., friction coefficient)

Example 3:



=> Additive share clutch  
(e.g., deviation of controlling  
parameter)

Fig. 30

Engine RPM, throttle, consumption injection time

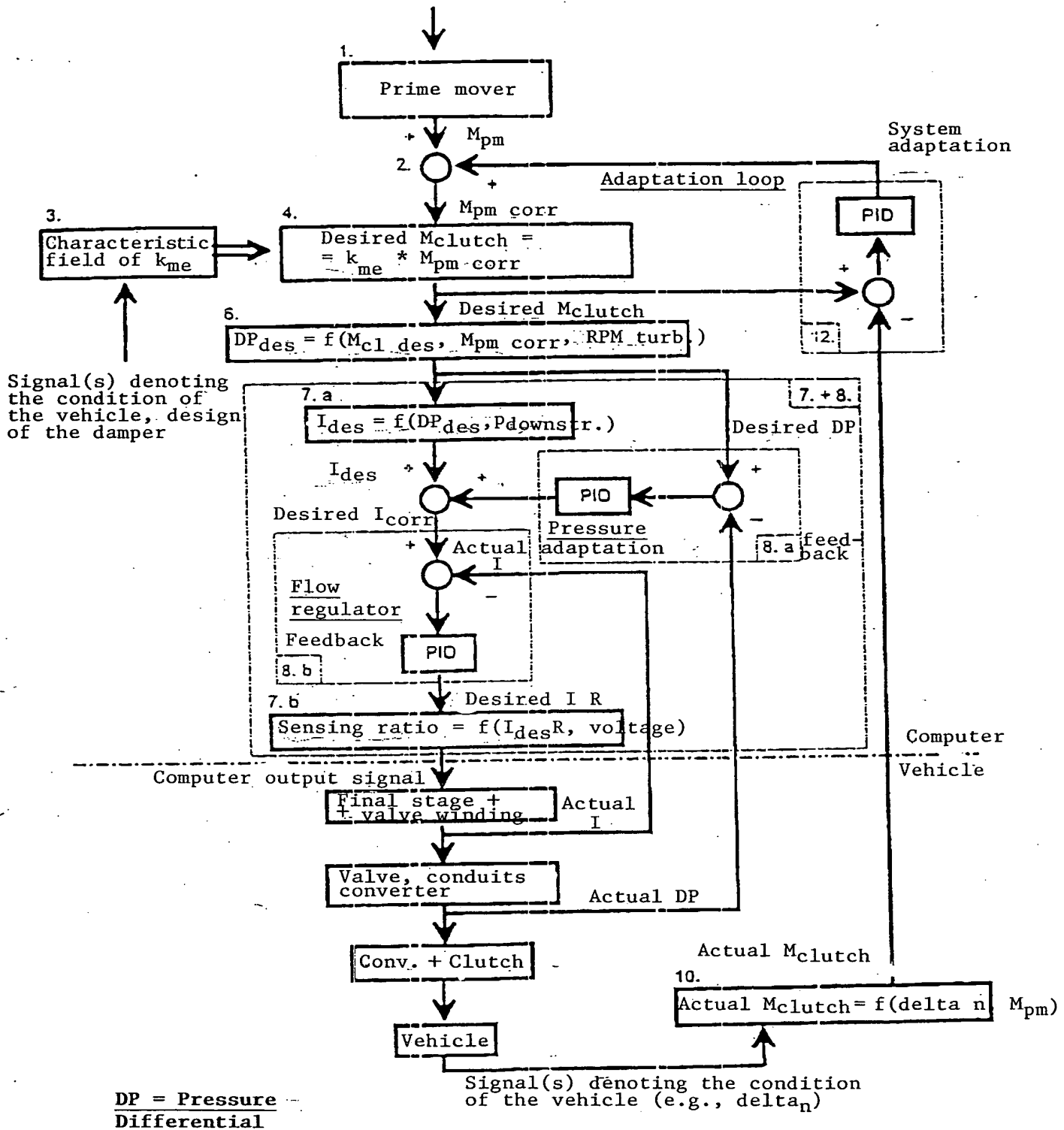


Fig. 34

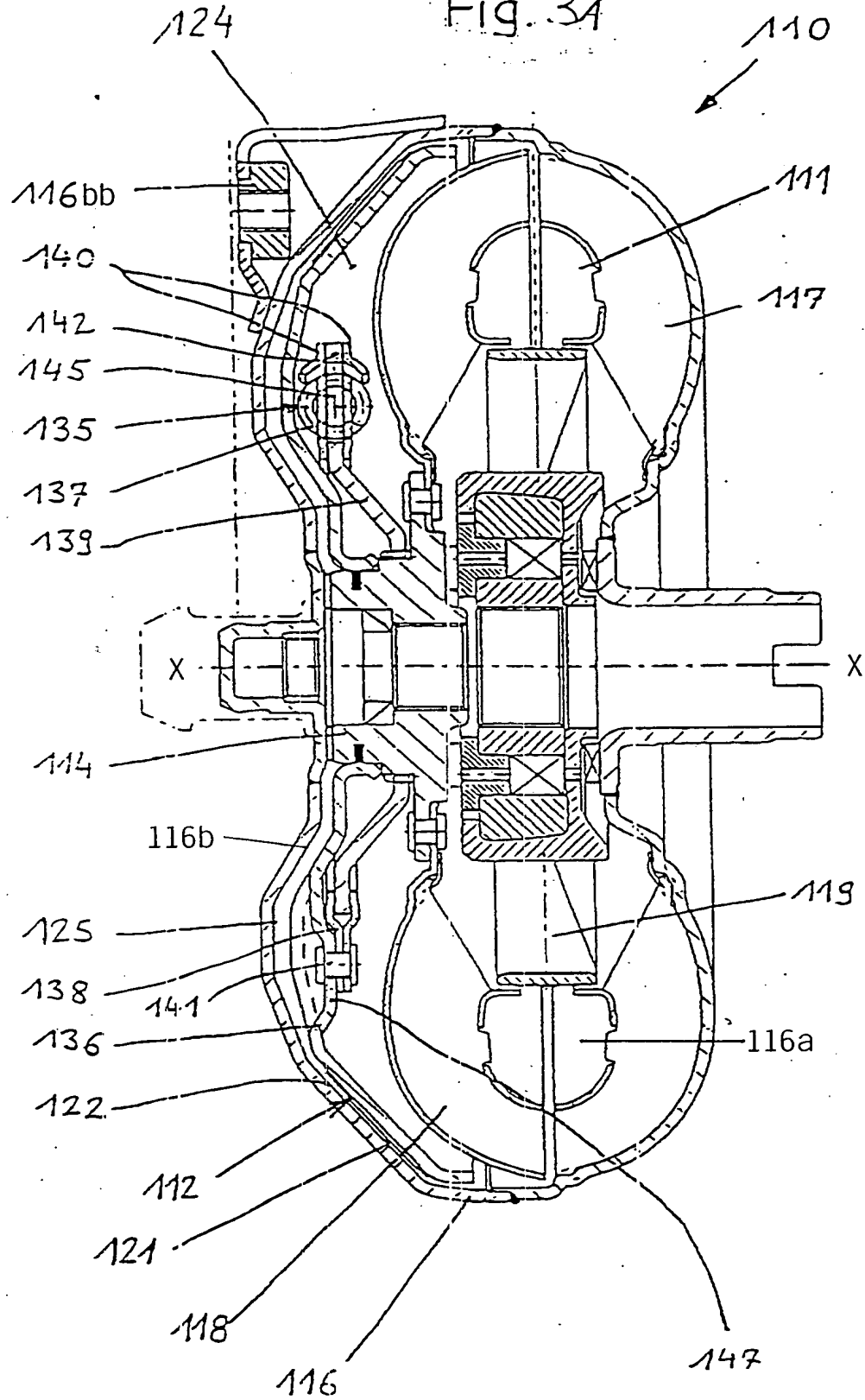


Fig 32

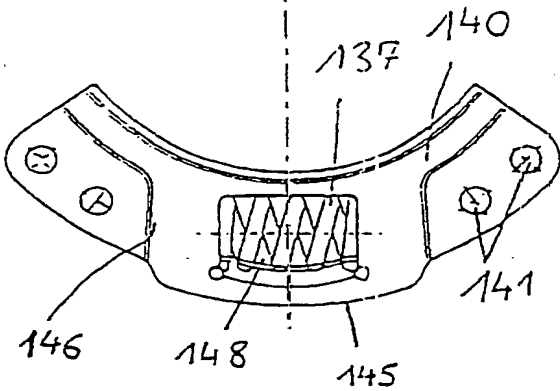
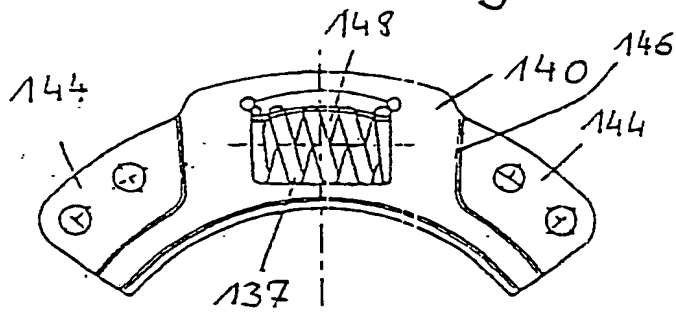


Fig. 33

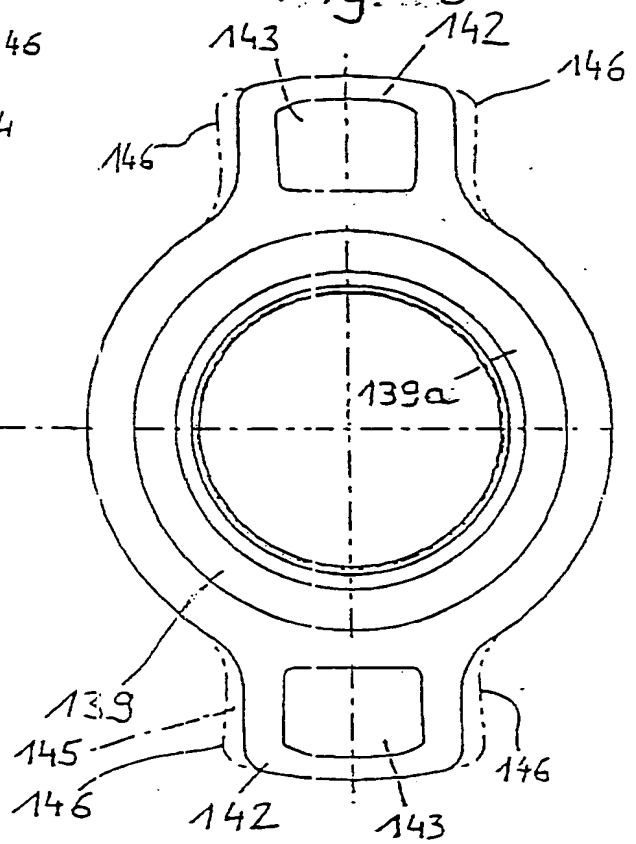


Fig. 35

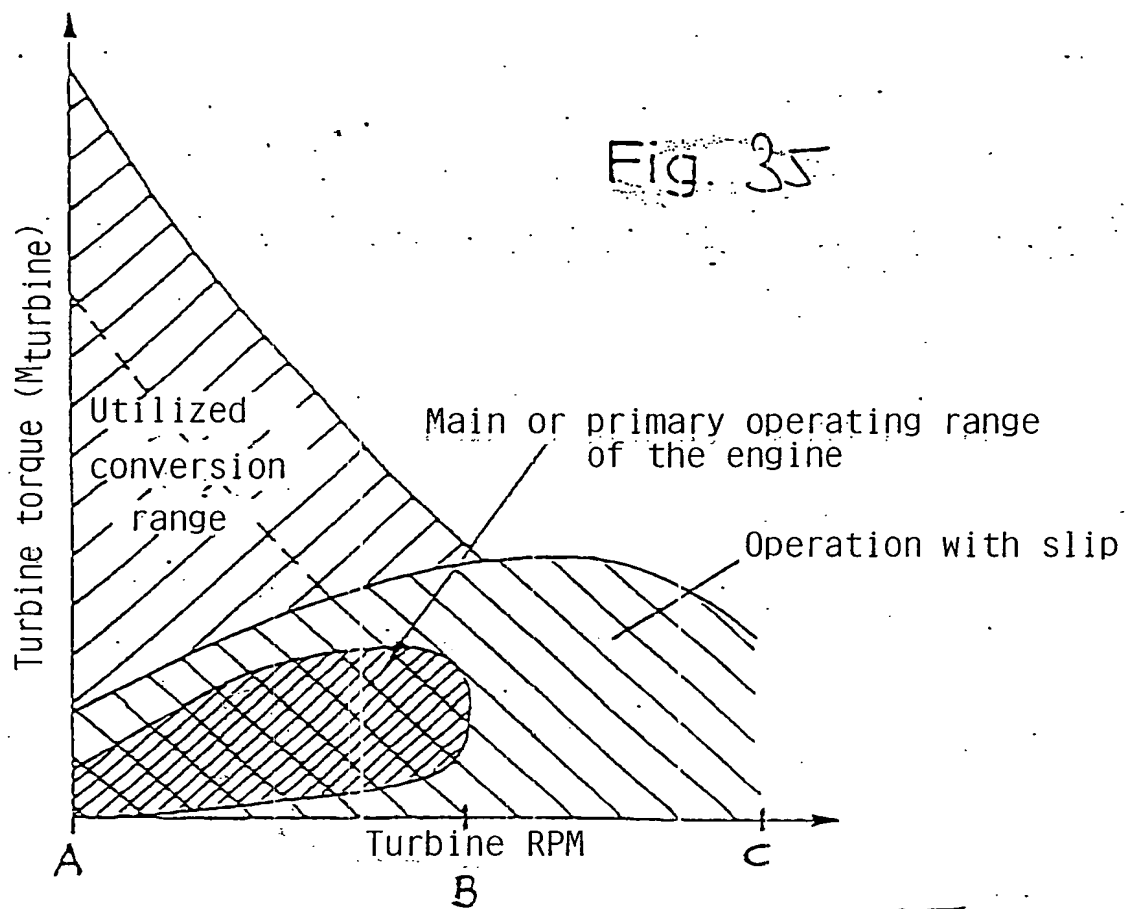
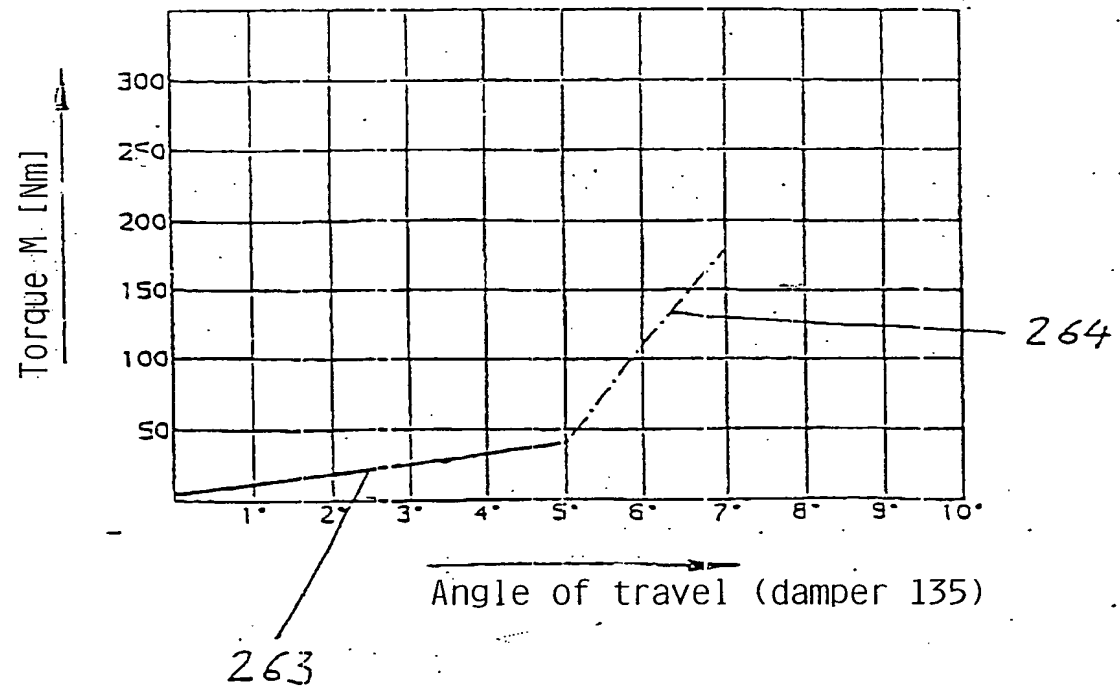


Fig. 34



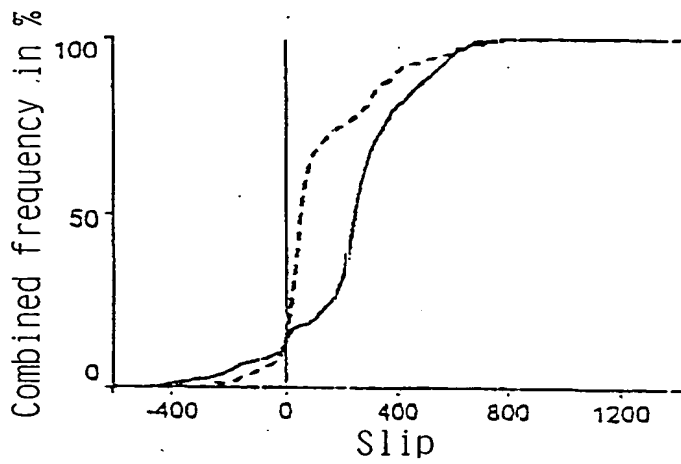


Fig. 36

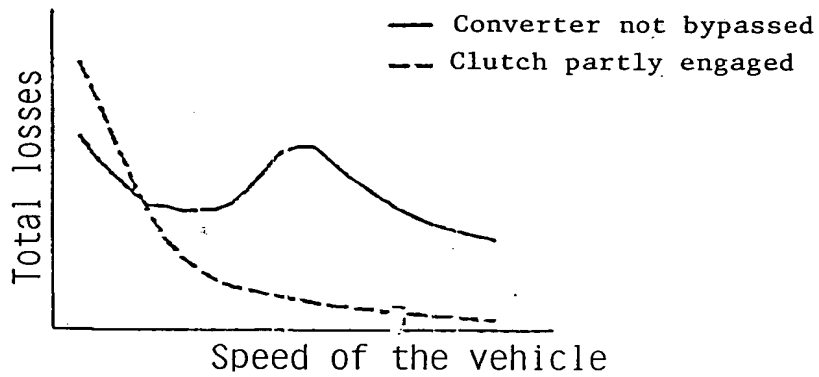


Fig. 37

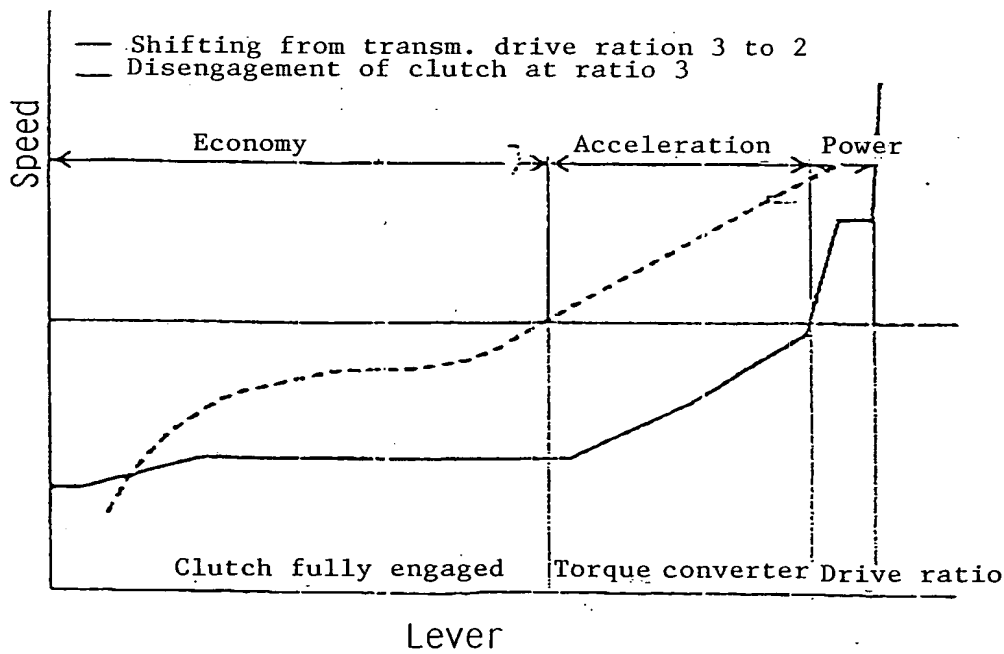


Fig. 38

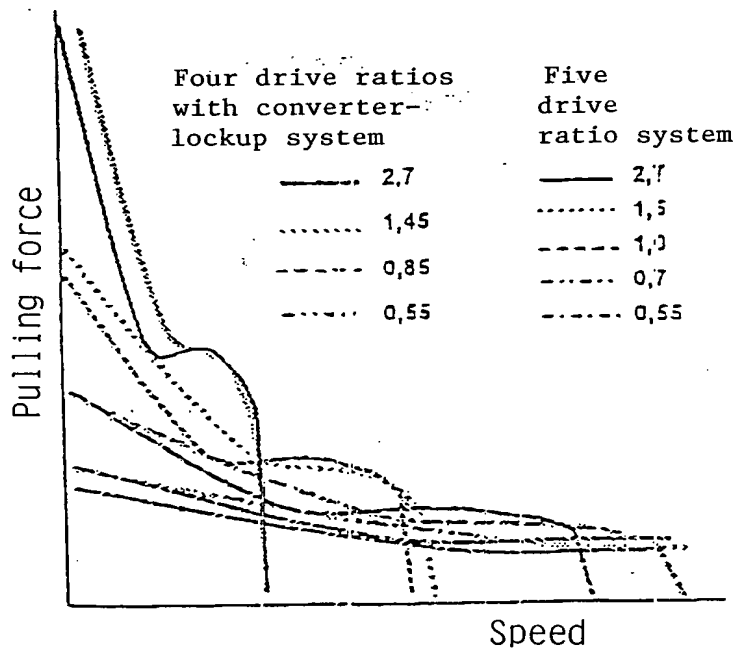


Fig. 39